

Memo

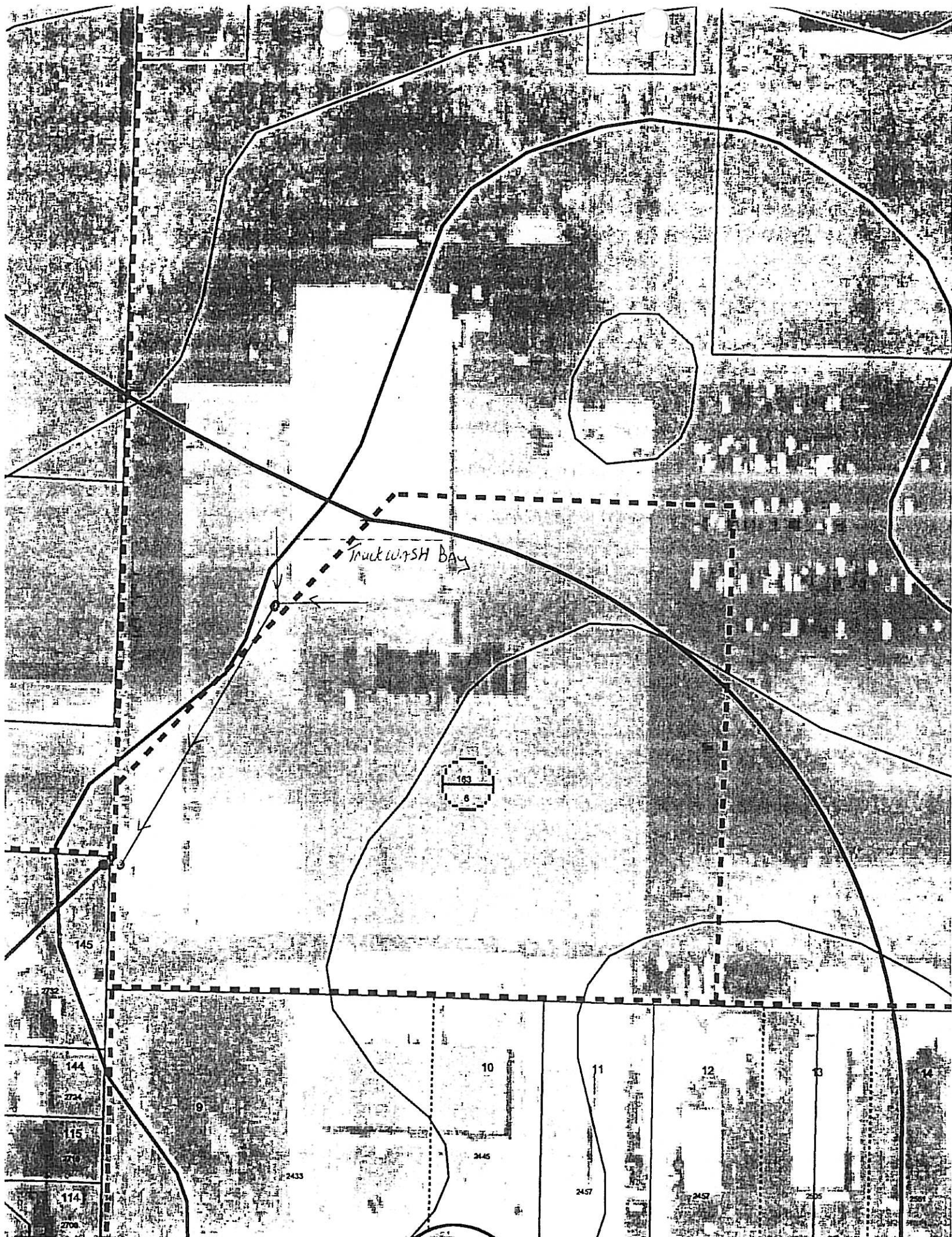
To: File - Miscellaneous & Dye Test
From: Gene Pabst ~~W~~
Date: October 7, 1999
Subject: Dye Test at 2750 N. Barnes IWX Trucking (9-7-99 ; 11:00 A.M.)

I met Jeff Bauer, IWX Trucking, at his office. We proceeded to go to the Southwest corner of their building. Jeff pointed out a place off the edge of their parking lot/west driveway that water surfaces and runs across their parking lot to the north. It was dry at the moment. Their private sewer line flows to a manhole on the southwest corner of their building and then flows to the southwest to a city sanitary sewer manhole. I inspected the city manhole that they connect to and there was no problem with the flow of the water. Jeff and I inspected their manhole at the southwest corner of their building and found no problem there. We did a dye test of the truck wash area. We placed dye in their interceptor which is directly south of the truck wash bay. I then watched in the City sanitary sewer line for the dye. The dye came through in a matter of minutes. I told Jeff that I did not think that this was a sewer related problem because there appears to be no problem with his line or the City sanitary sewer line. I also told him that I did not think it was a water line break because there would be water surfacing all the time. I told him that it appears to be a shallow groundwater problem since it comes and goes. I told him that we could be of further assistance to call.

See Attached Map

2750 N. Barnes

2813 N. Neergard





Memo

To: Surveillance File
From: Karen Chandler
Date: July 26, 2006
Subject: IWX - 2813 N. Neergard

This afternoon John Waitman received a call from Mark Rader, MDNR, about a complaint they received regarding IWX Trucking at 2813 N. Neergard. The complainant told DNR that IWX had a vehicle storage trailer that was leaking an insecticide for a couple of weeks. IWX cleaned it up and put it in the sewer. I met Glennis Evans, of DNR at IWX to do a joint inspection. We talked with Steve Coulter, the owner of the company, Jeff Bauer and Lewis Stevens, the environmental person for the facility. Mr. Coulter was angry about the complaint and said some things about a lawsuit that is going on. He left shortly after we got there. Mr. Bauer and Mr. Stevens told us that a load containing herbicide (comes in plastic containers on pallets in the trailers) came in late yesterday. One of containers was leaking and apparently lost no more than two gallons of the material. The product was "GOAL *2XL HERBICIDE" (Dow AgroSciences). They cleaned it up today in the wash bay, which goes to the sanitary sewer. Mr. Bauer stressed that the water from the wash bays goes through an oil & grease trap. Glennis Evans and I each got copies of the MSDS. The MSDS for this herbicide states:

When a decision is made to discard this material as supplied, it does not meet RCRA's characteristic definition of ignitability, corrosivity, or reactivity, and is not listed in 40 CFR 261.33. The toxicity characteristic (TC), however, has not been evaluated to the Toxicity Characteristic Leaching Procedure (TCLP)."

Since this was a herbicide and not a pesticide, she wasn't too concerned about this. She will write them a letter about this incident. I gave Mr. Bauer a copy of Chapter 120 and pointed out 120-112, the "Restricted discharges" section, 120-113 "Specific pollutant limitations" & 120-119 "Notification of the discharge of hazardous waste" section. We also talked about why we have these regulations: to protect personnel, the POTW and the environment. I told him the next time a situation like this comes up they need to notify us about it before they dispose of the material in the sanitary sewer.

Jeff Bauer said they haul mainly produce, water-based paint, etc. They don't want to haul anything very hazardous because they also said the "hazmat" loads are kept in one location. All material from this area goes to a drainage pond.

Karen Chandler
Karen Chandler
IPP

Cc: Randy Lyman, Environmental Compliance Officer

IWX

**MOTOR
FREIGHT**

P.O. Box 2850, Springfield, MO 65801

Jeffrey T. Bauer

2750 N. Barnes
Springfield, MO 65803
E-mail: bauj@iwxmf.com

417-873-1401
800-453-0259
Fax 417-873-1350

2813 N NEERGARD

IN SHADED AREA MUST PAY
A CONNECTION-FEE OF
\$0.0227 PER SQUARE FOOT.

JT-125/6

IWX ACCS

163/6

125A/6

97/6

44

10

11

12

32

14

15

12

MATERIAL SAFETY DATA SHEET



Emergency Phone: 800-992-5994
Dow AgroSciences LLC
Indianapolis, IN 46268

Date: 6/1/01
Product Code: 88831

GOAL * 2XL HERBICIDE

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: Goal* 2XL Herbicide

COMPANY IDENTIFICATION:
Dow AgroSciences
9330 Zionsville Road
Indianapolis, IN 46268

EMERGENCY TELEPHONE NUMBER:
800-992-5994

2. COMPOSITION/INFORMATION ON INGREDIENTS

No		CAS REG NO	WEIGHT (%)
1	Oxyfluorfen	42874-03-3	21-24
2	N-Methyl pyrrolidone	872-50-4	9-10
3	Naphthalene	91-20-3	7-8
4	Surfactant blend	Undisclosed	10-11
5	Calcium dodecylbenzene sulfonate	26264-06-2	
6	Solvent naphtha, petroleum, heavy arom.	64742-94-5	49-51
7	2-Ethylhexanol	104-76-7	
8	Related reaction products	None	
9	Fragrance blend	Undisclosed	

NOTE: The "I", or "Bar", in the WEIGHT (%) column is used to denote two or more components whose weight percents sum to the total shown by the figure either to the right of or immediately above the "Bar".

See Section 8, Exposure Controls / Personal Protection

3. HAZARDS IDENTIFICATION

Primary Routes of Exposure

Inhalation
Eye Contact
Skin Contact
Dermal Absorption

Inhalation

Inhalation of solvent vapor or mist can cause the following: irritation of nose, throat, and lungs, headache, nausea, dizziness, drowsiness, loss of coordination, stupor, central nervous system effects, unconsciousness

Eye Contact

Direct contact with material can cause the following: substantial irritation

Skin Contact

The solvent(s) in this material can be harmful if absorbed through intact skin.

Material can cause the following: severe skin irritation

Prolonged or repeated skin contact can cause the following: defatting and drying of the skin, which can lead to irritation and dermatitis - skin sensitization in susceptible individuals

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GOAL * 2XL HERBICIDE

Ingestion

The solvent(s) in this material can cause the following: gastrointestinal irritation, nausea, vomiting

Delayed Effects

Repeated overexposure to the active ingredient in this material can cause the following: liver damage
Prolonged or repeated overexposure to naphtha can cause the following: liver damage, kidney damage
Prolonged or repeated overexposure to component 2 can cause the following: possible adverse reproductive effects
Prolonged or repeated overexposure to component 7 can cause the following: kidney damage, liver damage

4. FIRST AID MEASURES

Inhalation

Move subject to fresh air. If breathing is difficult, give oxygen. Give artificial respiration if breathing has stopped. Get prompt medical attention.

Eye Contact

Flush eyes with a large amount of water for at least 15 minutes. See a physician.

Skin Contact

IMMEDIATELY get under a safety shower. Wash affected skin areas thoroughly with soap and water. Remove and wash contaminated clothing thoroughly. Do not take clothing home to be laundered. Get prompt medical attention.

Ingestion

If swallowed, give 2 glasses of water to drink. Never give anything by mouth to an unconscious person. IMMEDIATELY see a physician. DO NOT induce vomiting, petroleum distillate present. Careful gastric lavage may be indicated.

Note to Physician

In acute cases of naphtha overexposure or ingestion, patients should be evaluated for signs of respiratory distress.

5. FIRE FIGHTING MEASURES

Flash Point	98.0°C/208.4°F Setaflash Closed Cup
Auto-ignition Temperature	346°C/655°F N-Methyl-2-pyrrolidone
Lower Explosive Limit	1.3% n-Methyl pyrrolidinone
Upper Explosive Limit	11.8% Solvent, naphtha

Unusual Hazards

Pesticide particulates can become airborne. Combustion generates toxic fumes of the following: hydrogen chloride, hydrogen fluoride, nitrogen oxides

Extinguishing Agents

Use the following extinguishing media when fighting fires involving this material: carbon dioxide, dry chemical, water spray, polar solvent (alcohol) foam

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Personal Protective Equipment

Wear self-contained breathing apparatus (pressure-demand NIOSH approved or equivalent) and full protective gear.

Special Procedures

Contain run-off. Remain upwind. Avoid breathing smoke. Use water spray to cool containers exposed to fire.

6. ACCIDENTAL RELEASE MEASURES

Personal Protection

Appropriate protective equipment must be worn when handling a spill of this material. See SECTION 8, Exposure Controls/Personal Protection, for recommendations. If exposed to material during clean-up operations, see SECTION 4, First Aid Measures, for actions to follow. Remove all contaminated clothing promptly. Wash all exposed skin areas with soap and water immediately after exposure. Thoroughly launder clothing before reuse. Do not take clothing home to be laundered.

Procedures

Eliminate all ignition sources. Ventilate the spill area. Avoid breathing vapor. Contain spills immediately with inert materials (e.g. sand, earth). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal. See the **REGULATORY INFORMATION** Section for reporting requirements.

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

NOTE: Spills on porous surfaces can contaminate groundwater.

7. HANDLING AND STORAGE

Storage Conditions

The minimum recommended storage temperature for this material is 0C/32F. Do not store this material near food, feed or drinking water. Store away from excessive heat (e.g. steam pipes, radiators), from sources of ignition and from reactive materials. Avoid all ignition sources. Ground all metal containers during storage and handling.

Handling Procedures

Do not handle material near food, feed or drinking water. Ground all containers when transferring material. This material is a severe irritant. See SECTION 8, Exposure Controls/Personal Protection, prior to handling.

Other

CONTAINERS HAZARDOUS WHEN EMPTY. Since emptied containers retain product residue (vapors and/or liquid) follow all MSDS and label warnings even after container is emptied. Residual vapors in empty containers may explode on ignition. DO NOT cut, drill, grind or weld on or near container. Triple rinse (or equivalent) and puncture empty container. Dispose empty container in a sanitary landfill or by incineration as allowed by state and local authorities. Avoid inhalation of smoke if incinerated.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limit Information

No		CAS REG NO	WEIGHT (%)
1	Oxyfluorfen	42874-03-3	21-24
2	N-Methyl pyrrolidone	872-50-4	9-10
3	Naphthalene	91-20-3	7-8
4	Surfactant blend	Undisclosed	10-11
5	Calcium dodecylbenzene sulfonate	26264-06-2	
6	Solvent naphtha, petroleum, heavy arom.	64742-94-5	49-51
7	2-Ethylhexanol	104-76-7	
8	Related reaction products	None	
9	Fragrance blend	Undisclosed	

Comp. No.	Units	Dow AgroSciences		OSHA		ACGIH	
		TWA	STEL	TWA	STEL	TWA	STEL
1	mg/m3	0.2	1.6	None	None	None	None
2	ppm	25 Skin	75 Skin	None	None	None	None
3	ppm	10	15	10	15	10	15
4		None	None	None	None	None	None
5		None	None	None	None	None	None
6		None	None	None	None	None	None
7	ppm	2 Skin	6 Skin	None	None	None	None
8		None	None	None	None	None	None
9		None	None	None	None	None	None

End users must follow label instructions when using this product.

Respiratory Protection

A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. None required if airborne concentrations are maintained below the exposure limit listed in 'Exposure Limit Information'.

Up to 10 times the exposure limit: Wear a NIOSH approved (or equivalent) half-mask, air-purifying respirator.

Up to 1000 ppm organic vapor: Wear a NIOSH approved (or equivalent) full-face piece, air-purifying respirator, OR, full-face piece, airline respirator in the demand mode.

Above 1000 ppm organic vapor or Unknown: Wear a NIOSH approved (or equivalent) self-contained breathing apparatus in the pressure demand mode, OR, NIOSH approved (or equivalent) full-face piece, airline respirator in the pressure demand mode with emergency escape provision.

Air-purifying respirators should be equipped with NIOSH approved (or equivalent) cartridges for protection against pesticides.

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Eye Protection

Use chemical splash goggles (ANSI Z87.1 or approved equivalent). Eye protection worn must be compatible with respiratory protection system employed.

Hand Protection

Chemical-resistant gloves should be worn whenever this material is handled. Glove permeation data does not exist for this material. The following glove(s) should be used for splash protection only: Nitrile
Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough. Rinse and remove gloves immediately after use. Wash hands with soap and water.

Other Protection

Use chemically resistant apron or other impervious clothing to avoid prolonged or repeated skin contact.

Engineering Controls (Ventilation)

Use explosion proof local exhaust ventilation with a minimum capture velocity of 100 ft/min. (0.5 m/sec.) at the point of vapor evolution. Refer to the current edition of Industrial Ventilation: A Manual of Recommended Practice published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.

Other Protective Equipment

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear
Color	Amber
State	Liquid
Odor Characteristic	Floral odor
pH	7.2 to 7.5
Viscosity	12.8 CPS
Specific Gravity (Water = 1)	1.08
Vapor Density (Air = 1)	5.2 Solvent, naphtha
Vapor Pressure	0.29 mmHg @ 20°C/68°F N-Methyl-2-Pyrrolidone
Melting Point	-24.4°C/-11.9°F N-Methyl-2-Pyrrolidone
Boiling Point	201.7°C/395.1°F N-Methyl-2-Pyrrolidone
Solubility in Water	Emulsifiable
Percent Volatility	62 to 64 % Estimate
Evaporation Rate (BAc = 1)	0.06 N-Methyl-2-Pyrrolidone

See Section 5, Fire Fighting Measures

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10. STABILITY AND REACTIVITY

Instability

This material is considered stable. However, avoid contact with ignition sources (e.g. sparks, open flame, heated surfaces).

Hazardous Decomposition Products

Thermal decomposition may yield the following: hydrogen chloride - hydrogen fluoride

Hazardous Polymerization

Product will not undergo polymerization.

Incompatibility

Avoid contact with the following: acids, bases, amines, oxidizing agents, halogens, sodium hypochlorite

11. TOXICOLOGICAL INFORMATION

Acute Data

No toxicity data are available for this material.

Toxicity data for a compositionally similar material are listed below.

Oral LD50 - rat: >2000 mg/kg
Dermal LD50 - rat: >2999 mg/kg
Eye Irritation - rabbit: substantial irritation
Skin Irritation - rabbit: severe irritation
Inhalation LC50 - rat: >4.8 mg/L for 4 hr

Subchronic/Chronic Data

The following data pertains to studies conducted with the technical material, 70-75% active ingredient:
Liver necrosis was observed in mice at 20 ppm and above; the overall NOEL was 2 ppm (0.3 mg/kg) in mice.

Carcinogenicity Data

The following data pertains to studies conducted with the technical material, 70-75% active ingredient:
No evidence of carcinogenicity was observed in long-term studies with rats. A slightly higher incidence (not statistically significant) of liver tumors was seen in male mice at 200 ppm but not at 20 or 2 ppm, and not in female mice at any of these doses.

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Mutagenicity Data

The following data pertains to studies conducted with the technical material, 70-75% active ingredient:

- Ames mutagenicity: Positive
- Mouse Lymphoma Point Mutation: Positive
- In vitro rat hepatocyte Unscheduled DNA Synthesis: Negative
- In vivo cytogenetic assay (rat): Negative
- In vivo chromosome aberration assay (mouse bone marrow cells): Negative

Reproductive/Teratology Data

The following data pertains to studies conducted with the technical material, 70-75% active ingredient:

No evidence of teratogenicity was observed in studies with rabbits. GOAL® Technical was not teratogenic or embryo-fetotoxic in rats at doses that were not maternally toxic (15 mg/kg), however at maternally toxic doses (150 mg/kg) embryo-fetotoxicity and skeletal malformations were evident. No effects on reproductive performance in rats was evident at doses up to and including 400 ppm.

Sensitization Data

Sensitization data for a compositionally similar material are listed below.

Skin sensitization - guinea pig: Allergic response observed.

12. ECOLOGICAL INFORMATION

Environmental Toxicity

- Bobwhite quail, 21 Day Dietary LD50: > 2150 mg/kg
- Bobwhite quail, 8 Day Oral LC50: > 5000 mg/kg
- Mallard duck, 8 Day Oral LC50: > 5000 mg/kg
- Bluegill sunfish (*Lepomis macrochirus*), 96 Hour LC50: 0.2 mg/l
- Rainbow trout (*Salmo gairdneri*), 96 Hour LC50: 0.41 mg/l
- Channel catfish (*Ictalurus punctatus*), 96 Hour LC50: 0.4 mg/l
- Grass shrimp, 96 Hour LC50: 32 µg/l
- Eastern oyster, 96 Hour EC50: 69 µg/l
- Fiddler crab (*Uca pugilator*), 96 Hour LC50: > 1000 mg/l
- Freshwater clam, 96 Hour LC50: 9.6 mg/l
- Honeybee, 96 Hour LC50: > 10000 ppm

The above Environmental Toxicity data are from studies conducted on the technical material, 70-75% active ingredient.

13. DISPOSAL CONSIDERATIONS

Procedure

Incinerate liquid and contaminated solids in accordance with local, state, and federal regulations.

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14. TRANSPORT INFORMATION

US DOT Hazard Class NON-REGULATED

This classification is used when shipping in non-bulk packages for domestic surface transportation only. Exceptions in CFR 49 Parts 171-177 may apply. Consult CFR 49 Parts 171-177 to determine appropriate classification when shipping in bulk packages or when shipping by air or ocean.

15. REGULATORY INFORMATION

Workplace Classification

This product is considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

This product is subject to regulation under the Canadian Pest Control Products Act (P.C.P. Act). Therefore, this product is excluded from the supplier labeling and material safety data sheet requirements as specified in Section 12 of the Hazardous Products Act.

SARA TITLE 3: Section 311/312 Categorizations (40 CFR 370)

This product is a hazardous chemical under 29 CFR 1910.1200, and is categorized as an immediate and delayed health hazard.

SARA TITLE 3: Section 313 Information (40 CFR 372)

This product contains a chemical, which is listed in Section 313 at or above de minimis concentrations. The following listed chemicals are present: (Quantity present is found elsewhere on this MSDS.)

- Oxyfluorfen (42874-03-3)
- N-Methyl-2-pyrrolidone (872-50-4)
- Naphthalene (91-20-3)

CERCLA Information (40CFR 302.4)

This material is regulated under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304. This material is or contains chemical(s) listed in 40 CFR Table 302.4 or non-designated RCRA ICR substance(s). (Non-designated ICR substances apply to materials that will not be reused.) The Reportable Quantity(s) (RQ) are listed below. Releases in excess of its reportable quantity must be reported to the National Response Center (1-800-424-8802) and to the appropriate state and local emergency response organizations.

Calcium dodecylbenzene sulfonate (26264-06-2) 1000lbs.
Naphthalene (91-20-3) 100lbs.

Waste Classification

When a decision is made to discard this material as supplied, it does not meet RCRA's characteristic definition of ignitability, corrosivity, or reactivity, and is not listed in 40 CFR 261.33. The toxicity characteristic (TC), however, has not been evaluated by the Toxicity Characteristic Leaching Procedure (TCLP).

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United States

This product is subject to regulation under the US Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) and is therefore exempt from U.S. Toxic Substances Control Act (TSCA) Inventory listing requirements.

16. OTHER INFORMATION

MSDS STATUS: New

The Information Herein Is Given In Good Faith, But No Warranty, Express or Implied, Is Made.
Consult Dow AgroSciences for Further Information